

1646 1600 #18

Serial Number: 09/636,530B

CRF Processing Date: 19/10/2002

Edited by: _____
Verified by: _____ (STIC staff)

ENTERED

RECEIVED

OCT 15 2002

TECH CENTER 1600/2900

- Changed a file from non-ASCII to ASCII
- Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- Edited a format error in the Current Application Data section, specifically: _____
- Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____
- Added the mandatory heading and subheadings for "Current Application Data".
- Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- Inserted colons after headings/subheadings. Headings edited included: _____
- Deleted extra, invalid, headings used by an applicant, specifically: _____
- Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____
- Inserted mandatory headings, specifically: _____
- Corrected an obvious error in the response, specifically: _____
- Edited identifiers where upper case is used but lower case is required, or vice versa.
- Corrected an error in the Number of Sequences field, specifically: _____
- A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- Other: aligned amino acid nos. - seqs 5, 7

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



1600

RAW SEQUENCE LISTING

DATE: 10/10/2002

PATENT APPLICATION: US/09/636,530B

TIME: 18:51:02

Input Set : N:\AMC\239313.CHG.txt

Output Set: N:\CRF4\10102002\I636530B.raw

4 <110> APPLICANT: Cantor, Thomas
 6 <120> TITLE OF INVENTION: PARATHYROID HORMONE ANTAGONISTS OR
 7 MODULATORS AND USES THEREFOR
 10 <130> FILE REFERENCE: 53221-20003.00
 12 <140> CURRENT APPLICATION NUMBER: US 09/636,530B
 13 <141> CURRENT FILING DATE: 2000-08-10
 15 <160> NUMBER OF SEQ ID NOS: 7
 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 84
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
 25 Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 26 1 5 10 15
 27 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 28 20 25 30
 29 Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 30 35 40 45
 31 Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
 32 50 55 60
 33 Lys Ser Leu Gly Glu Ala Asn Lys Ala Asp Val Asn Val Leu Thr Lys
 34 65 70 75 80
 35 Ala Lys Ser Gln
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 83
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 2
 44 Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn Ser
 45 1 5 10 15
 46 Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn
 47 20 25 30
 48 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln
 49 35 40 45
 50 Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys
 51 50 55 60
 52 Ser Leu Gly Glu Ala Asn Lys Ala Asp Val Asn Val Leu Thr Lys Ala
 53 65 70 75 80
 54 Lys Ser Gln
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 51
 59 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 10/10/2002

PATENT APPLICATION: US/09/636,530B

TIME: 18:51:02

Input Set : N:\AMC\239313.CHG.txt

Output Set: N:\CRF4\10102002\I636530B.raw

60 <213> ORGANISM: Homo sapiens

62 <400> SEQUENCE: 3

63 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln

64 1 5 10 15

65 Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys

66 20 25 30

67 Ser Leu Gly Glu Ala Asn Lys Ala Asp Val Asn Val Leu Thr Lys Ala

68 35 40 45

69 Lys Ser Gln

70 50

72 <210> SEQ ID NO: 4

73 <211> LENGTH: 82

74 <212> TYPE: PRT

75 <213> ORGANISM: Homo sapiens

77 <400> SEQUENCE: 4

78 Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn Ser Met

79 1 5 10 15

80 Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Phe

81 20 25 30

82 Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln Arg

83 35 40 45

84 Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser

85 50 55 60

86 Leu Gly Glu Ala Asn Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys

87 65 70 75 80

88 Ser Gln

91 <210> SEQ ID NO: 5

92 <211> LENGTH: 57

93 <212> TYPE: PRT

94 <213> ORGANISM: Homo sapiens

96 <400> SEQUENCE: 5

97 Leu Gln Asp Val His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro

98 1 5 10 15

99 Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu

100 20 25 30

101 Val Glu Ser His Glu Lys Ser Leu Gly Glu Ala Asn Lys Ala Asp Val

102 35 40 45

103 Asn Val Leu Thr Lys Ala Lys Ser Gln

104 50 55

107 <210> SEQ ID NO: 6

108 <211> LENGTH: 34

109 <212> TYPE: PRT

110 <213> ORGANISM: Homo sapiens

112 <400> SEQUENCE: 6

113 Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn

114 1 5 10 15

115 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His

116 20 25 30

117 Asn Phe

RAW SEQUENCE LISTING

DATE: 10/10/2002

PATENT APPLICATION: US/09/636,530B

TIME: 18:51:03

Input Set : N:\AMC\239313.CHG.txt

Output Set: N:\CRF4\10102002\I636530B.raw

```
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 50
122 <212> TYPE: PRT
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 7
126 Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln Arg
127 1          5          10          15
128 Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser
129          20          25          30
130 Leu Gly Glu Ala Asn Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys
131          35          40          45
132 Ser Gln
133          50
```

VERIFICATION SUMMARY

DATE: 10/10/2002

PATENT APPLICATION: US/09/636,530B

TIME: 18:51:04

Input Set : N:\AMC\239313.CHG.txt

Output Set: N:\CRF4\10102002\I636530B.raw